



Department of Conservation

COMMUNIQUE

Vol. IV, No. 2

Sacramento, Aug. 1973

Savings bonds

Campaign is extended

Campbell reappointed

San Francisco--Dr. Ian Campbell, retired state geologist and former interim director of Conservation, has been reappointed to the State Board of Registration for Geologists and Geophysicists by Gov. Reagan.

Dr. Campbell retired as state geologist in 1969. He was department director for several months in 1966-67.

Sacramento--The U.S. savings bond campaign has been extended to August 15.

State campaign chairman John Kehoe said the extension would allow employees time to determine whether their pay increase was approved by the Cost of Living Council before buying bonds or increasing their allotment.

Sales are down

Bond sales in the Department of Conservation are less this year than last when 194 bonds were sold in the department. When combined with the sales of previous years, this number gave the department a participation rate of 34 percent.

Although this year's goal was to reach 50 percent participation, there have been only 61 new enrollments to date, two percent of the total number of employees.

Interest rates

Lawrence Hustedt, the department's campaign chairman, said that the increase in interest rates offered by banks and savings and loan associations also have had a negative effect upon the sale of the bonds.

"We suspected that there might be some problems this year," Hustedt said, "what with inflation and everything else. People just aren't too excited about parting with their money."

New airtanker

S-2 dedicated at Hemet

Hemet, Riverside Co. -- The latest in airtankers, the Grumman S-2, was officially dedicated here June 27 in ceremonies at Ryan Field.

Intended as a replacement for the single-engine TBM of World War II, the new medium airtanker carries 800 gallons of fire retardant and provides multi-engine safety.

Ceremony speakers

Participating in the ceremonies were James Stearns, secretary for agriculture and services, Ray Hunter, director of conservation, L.A. Moran, state forester, M.O. Schori, deputy state forester, and Bud Davis, president of the California Airtanker Association.

A plaque honoring the memory of the Division of Forestry's chief air operations officer, Floyd Waklee was presented to his widow.

John Hastings, chief of fire control for the division, described an actual airtanker dispatch and retardant drop.

State lease

Four S-2s are under 15-year lease to the state by the Navy. Two are currently operational at the air attack base here. Both are operated under contract by the Hemet Valley Flying Service.

In addition to leasing the S-2 airtankers, the Navy gave a week-long course to pilots from the four private companies that contract with the state to fly airtankers.

Navy personnel were present for the ceremony and demonstration.

DOG to prepare environmental report

Santa Rosa--A massive environmental report for geothermal fields in Lake and Sonoma Counties will be prepared by the Division of Oil and Gas.

Boards of Supervisors for the two counties have agreed to let the state handle the environmental review for existing and future steam generation plants in the unique geysers area in northeast Sonoma and southwest Lake County.

Under normal circumstances, as each power company proposes drilling operations, it must prepare an individual impact report. But with the procedure endorsed by county supervisors, DOG will prepare one single report for the entire geothermal field, and each driller will elaborate on it as he expands operations.

The joint effort is expected to reduce costs and prevent lengthy delays for power generation projects.

In the well....



Why would Forest Ranger C. W. Mason, Jr. (left), and Norman Foster, a pilot for the Hemet Valley Flying Service Company, sit in the wheel well of an airplane? To get out of the sun for one thing. And to watch the proceedings for another. See page 5.

From the director.....

In recent months I have attempted to express the objectives and policies of the several divisions within our department. In this issue I would like to discuss a unit that could perhaps be described as "the division behind the divisions." I refer to Departmental Management Services which provides service and consultation to the other three divisions.

Four offices

Management services consists of four offices: personnel, accounting, budget & systems and service & supply. More importantly, however, it consists of people: conscientious individuals who form one of the finest service divisions in California State government. To employees in the field, these people probably seem somewhat remote, "sitting up there in Sacramento"; but for them, their work day centers about you.

Personnel office employees make sure that you get properly appointed to the position you hold and that you get paid properly for the reported work you perform. This includes monthly salary employees on regular payroll and hourly rate employees on positive time reporting payroll.

Through the personnel office each of you can obtain the information and assistance you personally require in health insurance enrollment, retirement system membership and benefits, income tax deductions and exemptions, participation in civil service examinations, workmen's compensation benefits and a myriad of other services important to you.

Budget and systems

The budget & systems office staff prepares the department's annual budget and acts as our intermediary with the department of finance and the legislative analysts. In addition, the analysts in the unit respond to the requirements of all management levels within the department for special studies, such as forestry's revised fire prevention inspection reporting system.

The accounting office is really the "bank" of the department, issuing your checks for travel advances, salary advances and maintenance refunds. And, this office makes sure your division's bills are paid and that the amounts due the divisions pursuant to contracts or sales are collected and transmitted to the State Treasury.

A unique distinction

A very important part of management services, particularly to field operations is the service and supply office. It has the unique distinction of having the lowest turnover of probably any State office of its kind; which means that the employees are more knowledgeable and the service better.

Our very important projects in the field of conservation depend on you and you, in turn, depend on management services both individually and collectively for these vital support services.

Ray B Hunter



Turn the tables - Usually photographers take pictures of Smokey the Bear. Last month, however, Smokey turned the tables at Santa Cruz during the Miss California pageant and sighted his 35mm camera at the new Miss California, Diane Wagner. No one knows whether the camera had any film in it but judging by reactions of the people in the background, no one seemed to care.

South of the border

Fire rig from the north

Tecate-A social visit by San Diego county fire chiefs took a dramatic turn here when the fire officials assisted Mexican fire fighters in extinguishing a dangerous fire.

Members of the San Diego County Fire Chiefs Assn., who were on a goodwill trip here, had just finished lunch when a townsman rushed toward them.

He explained a grass fire nearby was moving dangerously close to a coffee factory and a supply of butane.

The town's only fire truck, a 1936 model, was inoperative, the Mexican said.

Officials of the California Division of Forestry quickly dispatched a rig from Potrero, a few miles north of the border, and, within minutes, the blaze was out.

Tecate residents had battled the fire with shovels and gunnysacks before the American rig arrived.

No one was injured.

The incident brought an unexpected end to the association members' first official visit to Tecate. They were there as the guests of Tecate's fire chief and director of tourism.

Ironically, about an hour before the fire, association member Rudy Median, chief of the Imperial County Fire District, had announced the district is donating a 1947 model, 500-gallon-capacity fire truck to replace Tecate's aging rig.

The U.S. firemen also presented to four Mexican towns 4,500 ft. of fire hose and other fire-fighting equipment.

"They're so damned dedicated and they have so little to work with, you just want to do something for them," said Jack T. Skeels, California Division of Forestry fire-prevention officer said. "And every time you see them, you want to do more."

The association members agreed, subject to formal confirmation later, to visit Tecate on an annual basis.

Following the fire, two association members said this summer could be the San Diego area's worst fire season in years.

Making the prediction were Myron K. Lee, the U.S. Forest Service's fire-control officer for the 500,000-acre Cleveland National Forest, and John M. Morrow, the California Division of Forestry's ranger in charge of San Diego county.

From the San Diego Evening Tribune



Columbia airstrip conference - A press conference can be anywhere. In this case outside and under the trees near the recently refurbished Columbia airstrip. Framed by Ranger Richard Day and Tuolumne county supervisor Delbert Rotelli, Director Ray Hunter talks with newsman John Whitman of Sonora radio station KVML.

Ranger Smith dies

Susanville--Richard K. Smith, ranger-dispatcher here for the Division of Forestry, died June 8 following a long illness.

Smith, who was known as "R.K." and "Dick", joined the division in the former Lassen Ranger Unit April 19, 1948.

During Smith's early years, the Lassen unit encompassed all of the eastern half of Lassen County which included cover from heavy virgin timber stands to sage and grass desert ranges. There were five CDF stations in the county and one summertime Schedule A station at Ravendale.

Wade on TV

Cincinnati--The son of retired CDF ranger John P. Wade has made his debut as host of a new talk-variety television show here--a program that may be nationally syndicated soon.

John Wade Jr., 34, brings to the show extensive background on the musical stage with some TV hosting experience in southern California.

The senior Wade, a resident of Arroyo Grande, was chief ranger for CDF in King City, heading up operations in the San Benito-Monterey ranger unit.

For the department....

Although the final decision lies with the Cost of Living Council, the Personnel Board approved the following salary increases for classes or groups of classes in the department:

- 2.5 percent - junior geologist, junior oil and gas engineer.
- 5 percent - forestry graduate trainee, forestry aid, seasonal fire fighter, seasonal fire lookout.
- 10 percent - clerical, staff services, legal, assistant deputy state forester and above.
- 12.5 percent - heavy equipment mechanic, equipment maintenance foreman, geologist, seismologist, oil and gas engineer, engineering.
- 15 percent - forest ranger IV level and below, including fire suppression classes, cook, heavy fire equipment operator.



YOUR STATE JOB

NEWS AND VIEWS FROM THE EXECUTIVE BRANCH

By Jack Woodard
Employer-Employee Relations Unit

Pay raises blocked

Hardly had the ink dried on Governor Reagan's signature before the federal Cost of Living Council challenged his action to give state employees salary increases averaging 12.9 percent.

On July 2, the State Personnel Board allotted the \$227 million in new salary money requested by the Governor and included in the 1973-74 State Budget. Three days later, the Cost of Living Council issued a temporary order for the state not to proceed with the raises which were to have gone into effect July 1.

In its July 5 telegram to the governor, the Cost of Living Council declared it had "reason to believe that...such increases are unreasonably inconsistent...with the goals of the Economic Stabilization Program."

Written evidence to support the state's position that the pay raises are justified and consistent with the federal goals promptly was sent to the Cost of Living Council by the State Personnel Board and Department of Finance. The administration also requested an opportunity to appear before the Council at the earliest possible time to present oral arguments. The hearing was set for July 19 in Washington, D.C.

Designated by the governor to represent the state at the hearing were Verne Orr, director of Finance; Frank M. Woods, a member of the State Personnel Board, and SPB Executive Officer Richard L. Camilli.

James G. Stearns, secretary of the Agriculture and Services Agency, reiterated the governor's determination to do everything possible to ensure that the salary increases are authorized.

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Historic opportunity

As you read last month in *Your State Job*, The State Personnel Board will hold extensive public hearings on the Cresap, McCormick and Paget report on the state's pay and benefits system. The firm strongly urged that its "individual recommendations not be viewed alone but only in the context of a total integrated package." Secretary Stearns expanded on this point in a letter to LeRoy A. Pemberton, president of the California State Employees Association.

Stearns wrote that "it is our position that consideration of separate benefit items referenced in the report should not be undertaken on a piecemeal basis at this time as you have proposed."

He also stated that the "report in all of its implications affords state employees, on a long-term basis, an historic opportunity to secure equity in total compensation (salaries as well as benefits). This result can only be achieved, however, if we work together to bring about the necessary legislative changes in an orderly manner and on a timely basis."

Budget talk

When he signed the 1973-74 State Budget into law, Governor Reagan had some comments on the \$9.4-billion fiscal package that ought to interest you both as a state employee and as a citizen of California.

"In reporting on the budget I am about to sign there has been a great deal of comment about that being the biggest in the state's history," the

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The new breed

Gold rush revived in Mother Lode

By Bill Welty

Volcanoville -- A revival of the 1849 gold rush could create a lot of 1973 headaches for the Division of Forestry, according to William Harrington, division public information officer.

"People create their own problems when it comes to forest fires," says Harrington. "The more people that come to an area to search for gold, particularly the wildlands which are covered with dry timber and brush, the greater the chances that a fire will develop."

The Mother Lode has been attracting more people as the price of gold continues to increase, and there is gold in the Sierras, according to William Clark of the Division of Mines and Geology.

"At this time," he says, "profits are still too low for the commercial investor. But, as the price of gold increases, 'smart' money is certain to find its way to the mines".

Clark says that the historic Alhambra-Atlantic Gold Mining Company has already invested \$250,000 in its old Yellowjack claim near Kelsey, and it is reported that many older mines in New Mexico, Arizona, Nevada, and California are also being revitalized as the price of gold goes beyond \$120 mark.

Modern mining

Harrington said that campers and trailers have somewhat reduced the risk of fires being started by gold hunters in the wildland areas. "An open camp fire increases the chances of fire spreading beyond a camp area he says. "However, with the modern conveniences offered by campers and trailers, fires are kept inside and well controlled."

The "now-generation" prospector personally reflects the new life style by the clothes that he wears. Whereas, 49er's were at best rustics, wearing dusty clothes and sporting scraggly beards with tattered brim hats to shield their eyes, today's miner pans for gold in tennis shoes and a bathing suit, and listens to a ball game on his pocket radio.

Equipment used

The panning and sluicing techniques employed in the 1800's are still used today, but the modern miner is employing more ingenious methods to search for gold. The "gold diver", for example, is a popular technique.

This method involves at least two men: one dives below the water's surface, with a vacuum system (suction dredge) that sweeps the bottom for gravel; the other remains on the surface, washing and screening the dredgings as they pour from the vacuuming system into the floating sluice box.

Gold fever

On a good day, according to Clark, the average gold miner can "placer out" gold worth from \$8 to \$30. And one man reports having made \$12,000 last year. Amateur miners panning for gold can expect to get between \$65 and \$75 per ounce for fine gold flakes, and \$95 to \$100 for nuggets, according to the owner of a jewelry store in Coloma.

Of course, one good way to make a profit from the new gold rush is to sell supplies to all the amateurs who are trying to make a profit from the new gold rush. That suction dredging system, for example, can fetch as much as \$12,000.

Hunter policies

Environmental impact reports

Sacramento -- Two policy letters have been issued by Director Ray B. Hunter.

Policy 73-16 establishes a fee schedule for environment impact reports (EIR) of \$50 minimum or \$12 for each hour required to prepare such reports.

Policy 73-17 establishes the program development section of the department as the responsible unit for writing EIRs. Each division is required to make available technical assistance as requested.



Hard hats secure - Employees from the Long Beach office of the Division of Oil and Gas discuss with Thums Long Beach Company engineer William Hunter what they have seen during the first stop on a two-day tour of the company's facilities. Here on Island Grissom, the group visited a bulk cement plant, semi-automated shipping facilities, and underground oil wells located around the island's perimeter.

Think deep

Oil well is the deepest

By Judy Farley

Division of Oil and Gas

Think deep, then think deeper, and then think 21,640 feet deep.

That is the new record set last April for the deepest oil well in California. The well is owned by the Great Basins Petroleum Company on a site about 30 miles northwest of Bakersfield in Kern County.

Personnel office Roxburgh tells new assignments

Sacramento -- The analysis unit of the Personnel Office has been reorganized to provide "the most efficient service," Assistant Director Al Roxburgh has announced.

Assignments under the reorganizations include:

James F. Catania -- Division of Oil and Gas, Executive and Management Services, Forestry's Central Coast and Southern California Districts.

Donald H. Cully -- Division of Mines and Geology, California Ecology Corps, Forestry's North Coast and Sierra Cascade Districts and the Public Employment Program.

James R. Walton -- Resources Agency, Forestry Headquarters, Fire Academy and Davis Nursery and Forestry's South Sierra District.

"Drilling techniques are now so advanced it took only six months to drill," explained Pat Williams, associate engineer from the Bakersfield office of the Division of Oil and Gas. The old record of 21,482 feet, set in 1953 by the Ohio Oil Company (now Marathon Oil Company) took two years to drill.

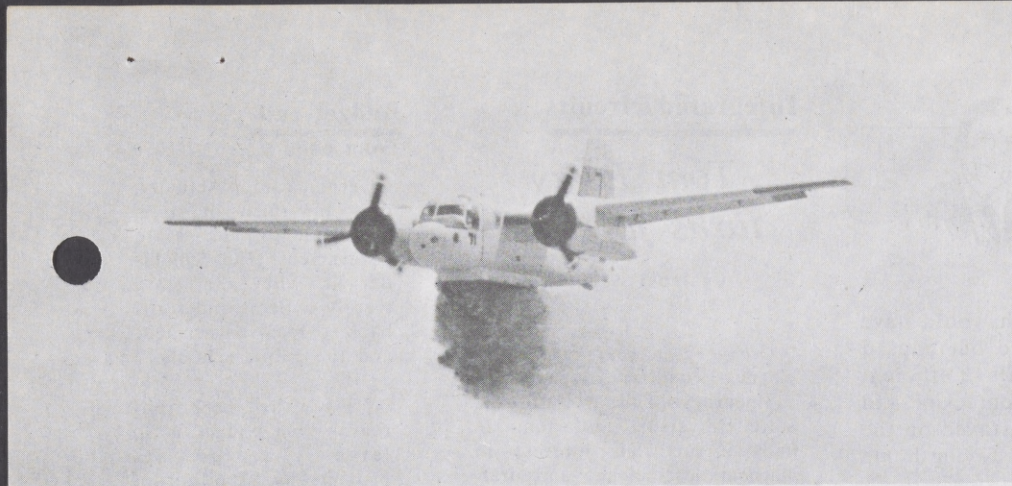
But depth does not insure success. Costs for California's deepest well reached 2.2 million dollars recently, and it is not yet producing oil.

Test results are reported to the DOG, which supervises drilling, production and maintenance of oil and gas wells in the state. The DOG also checks for adequate safety equipment, including devices to prevent blowouts.

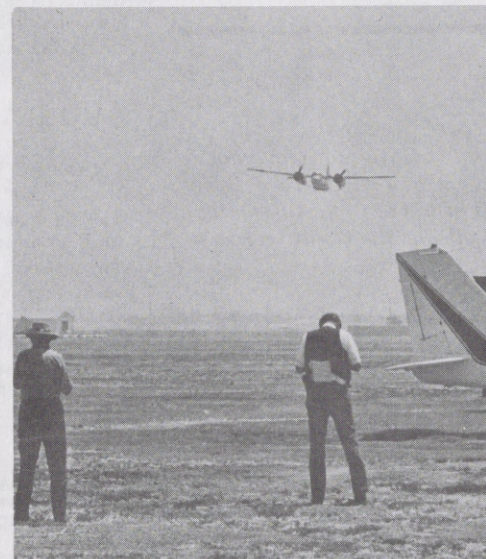
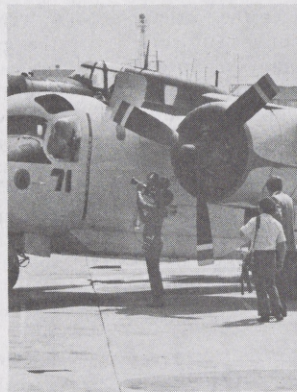
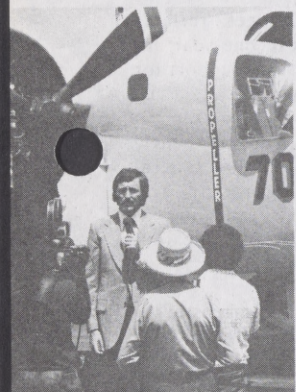
Will California's deepest oil well be drilled deeper? "Probably not," said Williams, adding that its fame may be shortlived. Another well in the area, owned by Mobil Oil Company, has temporarily stopped drilling at 20,233 feet, but the company expects to drill deeper and the record may not again take 20 years to break.

Corpsmen injured

J. M. Pearson and M. A. Bogner of the Inyo Ecology Center were seriously injured in an automobile accident July 21. At press time, Bogner was in the intensive care unit of Washoe Medical Center in Reno.



The S-2 is dedicated at Hemet.....The June 27 ceremonies at Ryan airfield included speeches and a visitation from an NBC news team. The public also had a chance to take a close look at the newest airtanker and to watch the S-2 in action.



Ask the Governor



Dear Governor:

Why did you veto the bill last year which would have given retiring state employees credit for earned but unused sick leave? This seems so contrary to your ideals of efficient state government. Your veto encourages absenteeism and refrains from a pat on the back for those who stayed on the job rather than manufacture some excuse for staying home and taking a day off on sick leave.

You may get another chance at a similar bill this year. I hope you will reconsider your position.

Arthur L. Elliott
3010 Tenth Avenue
Sacramento

Dear Mr. Elliott:

Your letter refers to my veto last year of SB 314. You are correct -- a similar bill has been introduced again this year. My position on this issue has not changed and it can be summarized as follows:

1. Sick leave is a valuable benefit and protection in its own right and should not be confused with retirement benefits. Employees who stay healthy should not feel abused if they accumulate sick leave. They have had the protection of a generous sick leave program during their working careers.

2. This legislation would discriminate against employees who leave state employment before retirement.

3. Current abuses of sick leave, to the extent that they occur, are subject to correction by management under current rules. In fact, this legislation might well have a reverse effect in that it could encourage employees to work when they are sick and should remain away from work.

Ronald Reagan
Governor

For a reply. . .

Questions should be addressed to Ask the Governor, Governor's Office, State Capitol, Sacramento 95814. Preference for publication will be given to questions of interest to a substantial number of state employees. However, all questions will receive a response.

Dear Governor:

The secretary of Agriculture and Services, James G. Stearns, is the governor's appointed representative for employer-employee relations matters.

Within our system of government and under current laws, this seems to be a meaningless and powerless situation for both parties involved.

Wouldn't it be more realistic if the system were changed to have the employer represented directly by the governor, a member of the State Senate and a member of the State Assembly?

Donald A. Nelson
995 Hartford Way
Costa Mesa

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Integrated circuits

Tom Berry turns forester

by Janet Boynton

Fire Prevention Aide,
Orange County

Orange--Two years ago, Tom Berry was a dissatisfied engineering major at California State University, Fullerton. He had pursued an interest in mathematics, science and drafting in high school, but college was quickly revealing that integrated circuits and optimized stochastic models held little excitement.

To avert a life of algorithms and nonlinear programming, Berry decided to give the CDF a try. He took a seasonal job as firefighter and was assigned to the Trabuco Station on the edge of the Cleveland National Forest.

Forestry major

After his first summer as a firefighter, Tom transferred to Humboldt State as a forestry major. Although it's a "hard major", Tom enjoys the variety of areas of study. Subjects ranging from botany to forest management give Tom the opportunity to explore many different fields.

Firefighter Tom Berry is back this summer at the Trabuco Station. His interest has turned to learning various aspects of an engineer's job, only now Tom does his drafting with a pump and a brushtruck.

Auburn school

Auburn--The Nevada Yuba Placer ranger unit hosted a seasonal employe FAE school during June. Ron Hawkins, ranger from the Colfax Station, was school supervisor. Teachers were fire captains Jeff Jones, Tim Lewis, Gary Ross, John Snyder, and Ed Waggoner. Two ten-day sessions trained 30 men.

Pay raises blocked

From page 3

"We have documentation to prove that the pay raises are justified and deserved," said Stearns, who also is the governor's representative for employer-employee relations.

There was no indication at publication time of how soon a decision by the Cost of Living Council could be expected.

Budget talk

From page 3

governor said. "Actually, only one-third of it is required to run state government. The remainder is what the state merely collects and turns back to local government and the public schools.

"But the principal reason this budget is so large is because approximately \$1 billion of it does not represent an increase in government spending but a transfer of cost from local government to the state. This billion dollars is being returned directly to the people in the form of property tax relief -- relief which millions of California homeowners already are seeing reflected in their property tax bills. Only several years ago, the cynics were saying such tax relief would never become a reality.

"This budget reflects the greatest one-year increase in state support for local schools ever achieved by any state in any year. . . In fact, nearly one-half of our general fund budget for the coming year is devoted to the support of education in California.

"You'll be interested to know that state support for local schools is up 31 percent over last year and has increased 50 percent over the last three years."

The governor went on to mention that he was blue penciling some \$80 million out of the budget, adding:

"Nearly one-half of that is in welfare and Medi-Cal expenditures -- money which is not needed because of the vastly reduced welfare caseload in California. In fact, because of this administration's successful efforts to drastically overhaul and reform welfare, there are now 318,000 fewer persons drawing welfare in the state than when we began implementing the reforms in March of 1971. Yet the truly needy on welfare are receiving considerably higher grants to meet their needs than ever before."

The S-2 attacks

A small fire: 3,000 gallons

By Jack O'Neal

Woody Woodmansee made the first drop shortly before four in the afternoon, coming in west of the fire at 120 knots, 75 feet off the deck, punching out 800 gallons of DAP in four dumps at one-third-of-a-second intervals.

With a little imagination you could see the goggles and the crooked smile and the white kerchief whipping in the wind.

Walter Darran made a second drop a few minutes later, coming out of his counter-clockwise pattern along the eastern boundary of the fire, again at 120 knots, and again at an elevation of 75 feet.

Both chiquita-banana-yellow S-2s moved against the brown and shadow backdrop of the San Jacinto mountains, their red shower trailing briefly behind them, then falling.

In the air

Ferguson had scrambled with his pilot Norm Foster at 3:35 p.m., and was in the air a few minutes later while the S-2s were being filled with the diammonium phosphate from the tanks near the tarmac.

Unlike some fires where Ferguson decides whether to use tankers or not, the Division of Forestry dispatcher had already assigned both S-2s to the fire.

"Not much of a fire," Ferguson said when he returned to his office and began the paperwork to cover the hour of flying. "At least when you compare it with the Morongo fire. In that one we dropped almost a 100,000 gallons of retardant in two days.

"On this one we dropped only 3000 gallons. But that was enough, and we did it fast enough to contain it and that's the whole idea."

Some of the differences.....

Besides having one more engine than the TBM of World War II vintage, the S-2 is a better plane in other ways as well.

For example, it holds 200 more gallons of fire retardant, cruises 15 miles per hour faster, is quieter, can stay in the air longer, and can fly three times longer before its engines need to be overhauled.

In addition, airframe parts are available for the S-2 while they are not for the TBM, now almost 30 years old. Engine parts, too, are readily available for the S-2 and only in limited supply for the TBM.

Small fire west

At five hundred feet above in his Cessna 337D, Ranger John Ferguson continued to circle the small fire west of Beaumont. He had vectored both S-2 airtankers for their drops and now he called for a PBY already airborne to drop 1400 gallons of retardant along the ridge to complete the encirclement.

Ground crews were on the scene now, but Ferguson sent Woodmansee, who flies for the Hemet Valley Flying Service, back to Ryan Field for another 800 gallons of retardant. He was to explain later:

"That was my insurance. It was a small fire, but in case it flared and got beyond the ground crews I wanted that S-2 ready to drop retardant."

The first attack

That first attack on a fire is important to Ferguson. And the new S-2 airtanker seems to grant him the speed and maneuverability he feels is necessary. If there is a philosophy to airtanker operations, Ferguson would probably say it was fast response, fast containment, and fast turnaround time.

"We do it a little different than the forest service. Both approaches are effective. But the S-2 will probably make us more so. And probably we'll be cost effective as well."

As for that Beaumont fire it cost the state about \$500 for the airtankers and the air command plane and about \$650 for fire retardant.



A midair conversation - Ranger John Ferguson (right) talks with pilot Norm Foster as they head for the fire near Beaumont. Ferguson serves as air commander for the Hemet-based airtankers.

Unit administrator

Overton goes to Parlin Fork

By Janet Boynton

Fire Prevention Aide,
Orange County

Orange--Chief Stan Overton will soon be leaving the Orange County ranger unit to become the unit administrator for Parlin Fork Conservation Camp in Mendocino County.

Overton has worked for the Division since 1945 when he was hired as a firefighter in Orange County.

His experience includes being a forest fire fighter foreman in Madera County, a forestry equipment operator in San Diego County, and a forestry project foreman in San Bernardino County at Don Lugo Conservation Camp.

Battalion chief

The 10 years that the battalion chief has been stationed at Orange Headquarters, he has enjoyed growing with the organization.

Overton worked with the volunteer program in the county and saw that effective use was made of CDF forces throughout the floods of 1969. His experienced leadership also guided our men through the major battle of the Paseo Grande Fire.

His service to the community has not gone unrecognized. McDonald-Douglas Aircraft Company honored him with their VIP Award, and he was cited with a merit award in 1954.

CDF and ecology

Cans and bottles collected in drive

By Nancy Saunders

San Bernardino Ranger Unit

Hesperia, San Bernardino Co.--A goodwill project begun at Christmas 1971, has developed into a year-round ecology drive for the CDF crew here.

Collecting aluminum cans and glass bottles for recycling and using the money for needy families has evidently proved a success. Mike Boren says that the crew earned \$200 last year and has already made \$100 thus far in 1973 -- all from seemingly useless "trash."

Cans and glass

Citizens are urged to bring their cans and glass to the station, and the men periodically collect from their largest source--the town bars. Some of the men have even spent off-duty hours collecting cans and bottles on the sides of roads and freeways. The aluminum cans are then delivered to a beer distributor in San Bernardino, the glass to a company in Pomona.

Mike Boren, Bill Sanders, Bill Meidell, Duane Gaddy, Al Rushing, and Pat Campobosso are all working on ecology action -- positive action toward an equally positive goal. Cleaning the desert environment and helping the financially needy -- a twofold blessing for the Hesperia community.

It's yesterday once more....



Where and when - Another photograph from the historical files of Ray Higgins. In this case, however, nothing is known of the date, the location, or the kind of truck being used. It is obvious though that the fire was small, the attitude casual, and that at least one firefighter in those days fought his fires in jodhpurs.

The San Joaquin

Oil and Gas betters the environment

By Judy Farley

Division of Oil and Gas

Birds flying over the southern San Joaquin Valley are safer these days thanks to an environmental enhancement program carried out by the Division of Oil and Gas.

The program, aimed principally at reducing wildlife loss, has eliminated more than 2,500 oil sumps and many other oil-field-related environmental problems during the past two years.

"Any sump showing evidence of large wildlife loss brings a notice from the division to cover, screen, or otherwise insure against further damage," explained John Matthews, Jr. supervisor of the division. He added that many sumps contain only water and therefore can benefit wildlife.

Both the division and the Department of Fish and Game conduct either monthly aerial surveys or daily field inspections of all oil facilities in the state,

checking for wildlife loss and progress of cleanup operations.

"More than 50 percent of all sumps have been eliminated since early 1971," said Matthews.

A new law, effective in November 1970, has expanded the authority of the state oil and gas supervisor and has enabled the division to act more effectively in environmental matters.

CDF Tulare crews

Kern chief sends praise

Visalia--Letters of thanks are fairly common to most fire departments, but CDF's Tulare crews recently received special recognition from another professional firefighter.

Division Chief Bruce Benett of the Kern County Fire Department thanked the division for its assistance on fires in the Woody area and, in particular recognizing "the fine work performed by Phil Olson, your engine companies, and dozer operators. Not only was their professional ability excellent, but their congenial attitudes and willingness to cooperate were outstanding."

Foresters meet

Fortuna -- Seven members of the Humboldt-Del Norte Ranger Unit have participated in a two-day problem-solving session with personnel from the Six Rivers National Forest, the Hoopa Valley Indian Reservation, and the Redwood National Park.

Representing the Division of Forestry were James Dulitz, Harry Harp, John Barbour, Don Perkins, Forest Tilley, John Teie, and John Ciarabellini.

Ask the governor. . .

From page 6

Dear Mr. Nelson:

There were several reasons for designating the secretary of the Agriculture and Services Agency as my representative in employer-employee relations matters. One was that the importance of the subject deserved Cabinet-level attention on a day-to-day basis. We have provided Secretary Stearns with this capability through a small staff of experts.

Another reason was to provide a readily available and authoritative official with whom employee organizations could "meet and confer" in good faith on statewide issues. Our experience to date is that the process does clarify issues, positions get modified, and joint action can result.

Last, I believe the merit system is the best way to manage personnel in state government. It is my responsibility to work within it to evolve an improved relationship with all our employees. This takes a top level representative of mine, able to speak for me to the Legislature, the State Personnel Board, other departments and employee organizations. I see the process to be a deliberate one, building soundly on merit principles with the participation of employees. It may not be fast enough for some but it won't be "meaningless and powerless for both parties involved" in the longer run.

Ronald Reagan
Governor



School board service -- Fritz S. Konklin (left) of the Madera-Mariposa ranger unit receives a resolution from the State Assembly praising him for 12-year service on the Coarsegold School Board. Making the award is Madera county supervisor Bill Hill. While Konklin did not seek re-election this year, CDF fire captain Howard Roatch was elected to replace him on the school board.



Miss Fire Watch - Janelle Pillow, El Dorado county's Miss Fire Watch, checks out the Division of Forestry's new lime-green fire truck at the El Dorado CDF station.

Photograph by Richard Stanfield, Sacramento Bee

Ukiah air attack resumes

Sacramento-Wildfire air attack operations based at Ukiah Municipal Airport have been resumed by the Division of Forestry.

State Forester L. A. Moran said a legal opinion for the Federal Aviation Agency (FAA) allows CDF to resume use of the Ukiah field for air attack on wildland fires in the North Coast area.

Use of the Ukiah airport was recently suspended during a controversy over interpretation of FAA rules. However, FAA attorney Steven L. Graff has advised CDF that, since firefighting is considered a response to a "public emergency," FAA rules do permit the air attack operations to continue.

Aircraft based at Ukiah are one twin-engine F7F Grumman Tigercat and a twin-engine PBY Consolidated Catalina.

Moran said air attack operations are being resumed "with maximum consideration for safety and with as little disturbance to the surrounding area as possible." Moran listed the following conditions:

- 1--No air attack flights will be conducted by single-engine aerial tankers.
- 2--As weather conditions and traffic patterns permit, aerial tanker departures will be to the south-limited to conditions of eight miles per hour or less north wind.
- 3--When taking off to the north, pilots will select the least congested route for climbout and departure.
- 4--If alternative bases will serve the need for sustained operations with no material difference, alternative bases will be utilized.

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Ray B. Hunter, director of Conservation; Edward D. Ehlers, deputy director; Gerald E. Newton, assistant director for public affairs; Jack O'Neal, information officer and editor; Terry Bennett and Bill Welty, public affairs assistants.

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Dituri to Felton

Felton--Dave Dituri, new ranger I for the San Mateo-Santa Cruz Ranger Unit, is looking forward to living in the cool climate of the area after seven years in the Madera-Mariposa ranger unit of the South Sierra District.

His transfer last month sent Dituri back to the unit where he had been trained, in 1965. He worked up through the ranks of fireman, captain, and foreman until his appointment as ranger I in 1965. He is replacing Del Curtis, who retired last month, at the Felton Headquarters.

Lime green

Fire truck sports new color

Student interns in summer jobs

Sacramento--Five student interns are working this summer for the Department of Conservation.

Judy Farley (University of California, Davis) serves as a student assistant to the publications officer of the Division of Oil and Gas. William Welty (University of California, Berkeley) is a student assistant to the department's information officer.

Daniel Whetstone (American River College, Sacramento) works in the budget and systems office and Timothy Yaryan (McGeorge School of Law, Sacramento) is a student assistant in the office of legal affairs.

Cindy Rossi (University of California, Davis) is a member of the personnel office staff.

The department has two college student employment programs: (1) a salaried student assistant program; and (2) a volunteer state service intern program. Participants in both programs may receive academic credit.

The purpose of the programs is to allow students to receive on-the-job instruction and to perform work that will provide practical experience in tasks related to their field of study.

Helitack crews receive training

Garberville, Humboldt Co.--A week-long training program for "helitack" crews was held here in early July for the Division of Forestry's Humboldt-Del Norte ranger unit.

Ranger Jim Dulitz said helicopters which are used for initial attack of wildfires and based near Garberville were used.

Thirty CDF and five U. S. Forest Service helitack crew leaders, assistant crew leaders and crewmen participated. The course covered safety, first aid, rescue techniques, adaptability and limitations of the helicopters in fire control operations, heli-jumping (low-level jumps from a hovering helicopter) and radio communications.

The course was supervised by Ranger Brian Weatherford of Santa Rosa.

El Dorado, El Dorado Co.

Lime green fire trucks soon may be seen with red lights flashing as they speed off to wildland fires if a California Division of Forestry (CDF) experimental truck stationed here proves its value.

The establishment of lime green as a possible fire truck color is a departure from the long-standing "fire engine" red used on fire apparatus for the last century.

The experimental truck, known to CDF personnel as Pilot Model 10, arrived here yesterday after being stationed for six weeks at the King's City Ranger District near Monterey. It is expected the unit will serve here for a month before being sent to another district for trial use.

"For emergency vehicles red may not necessarily be the best color, even though it is commonly associated with heat and danger. Studies show the most highly visible color to the human eye are those in the green-yellow area of the color spectrum," CDF Assistant Equipment Engineer Ray H. Bryant explained.

Bryant, a Sacramento resident who works at the CDF Equipment Facility in Davis, said the new truck has been painted lime green strictly on an experimental basis to determine its possible advantages relative to wildland fire operations and to forestry and public acceptance.

According to the CDF, it is because wildland fire control needs are totally different than structural needs that CDF has designed all of its fire apparatus for the last 20 years.

"A prototype fire truck has been developed every two years," Bryant noted.

Pilot Model 10 incorporates a number of new features such as a 500-gallon stainless steel tank, a hydraulic-drive winch which utilizes a 32-gallon, oil-holding front bumper, four-wheel drive automatic transmission and most of all, according to CDF personnel, a five-man cab.

"The special cab is an important attempt to protect the fire fighting crew from heat, cold and smoke and to provide better internal crew communications as the apparatus arrives at a fire," Bryant explained.

Bryant estimated the Pilot Model 10 can be produced commercially for about \$30,000 each.

Reprinted from the Sacramento Bee



Power line course - Tom Hutchinson of the Pacific Gas and Electric Co. points to an example in the field for (left to right) FPA Steve Negro, FPA Pat Brown, FPO II Tom Huff, and FPA Mike Albrecht. Hutchinson's course in power line inspection is designed to teach CDF personnel how to determine and then how to accurately report violations of the Power Resources Code.

Material management

New EDP system begins

By Dan Little

Budget and Systems Office

July marked the initiation of a new electronic data processing system called MMS for materiel management system. The new system will record and track all receipts and issues of expendable inventory items made in Division of Forestry field locations on a monthly basis.

MMS is designed to control inventory levels for all sensitive, very active, and fire-control items. Materiel warehouse personnel in field locations throughout the State will be recording their receipts and issues for these inventory items and submitting the data to division headquarters.

Computer data

Data is entered into a computer which updates and maintains a master inventory record for each item in each field location. Monthly activity reports are produced and distributed to each location and district office showing the transactions for the month and the new inventory status.

The MMS project has been in the planning and development stage since October 1972. The system will audit inventory levels, reduce storage cost, and assist in the redistribution of items in long supply, and develop a history of demand and quantities issued for immediate and future use.

Ecology corps

Howard Pence pioneer, retires

Angels Camp--Howard W. Pence, a pioneer of the Ecology Corps program and former conservation camp fire crew foreman retired from state service on June 30.

Pence started his career with the California Division of Forestry in Tehama County in 1958 as a seasonal firefighter. He was promoted through fire truck driver and then to fire crew foreman at the former Vallecito Conservation Camp in 1961.

In 1971 the beginning of the Ecology Corps program brought the conversion of the Vallecito camp to Calaveras Ecology Center, where Pence continued in his duties as fire crew foreman.

A retirement dinner honoring Pence was attended by local California Ecology Corps staff, Tuolumne-Calaveras Ranger Unit and district headquarters staff, along with friends and relatives.

Pence is now pursuing a new career--that of travel in his recently purchased motor home.

Ray appointed deputy director

Sacramento--Dick Ray, former budget and systems officer for the Department of Conservation, has been appointed deputy director of the Department of Consumer Affairs.

One-man unit

New fire engine in operation

Butte Center

Corpsmen praised

Paradise, Butte Co.--High commendation was given by Butte County sheriff's deputies to a cadre of young men from the Butte Ecology Center now established at the former Magalia Conservation Camp under Division of Forestry auspices.

A crew of six members of the California Ecology Corps stationed at Butte, under the direction of two foremen, assisted in the search and rescue of Mark Elvin Lance, son of the vice mayor of Martinez. The youth died in a hiking-swimming accident.

Corpsmen aided deputies and ambulance attendants in removing the body, first by floating it on inner tubes in areas between the high rock cliffs and by stretcher through extremely rugged terrain for more than 200 yards.

Pajaro Dunes, Santa Cruz Co.--A new "one-man" fire engine unit is now in service here. The unit makes it possible for a single fire fighter to make the initial attack on a fire as far as 600 feet from the nearest hydrant.

The key is a Cushman Trackster, an all-terrain vehicle with treads instead of tires. The Trackster is equipped with two hose boxes, each filled with 600 feet of preconnected 2 1/2-inch hose, smaller working lines, and a remote water control device.

A new Oakland-Van Pelt fire engine forms the other half of the unit. The Trackster is towed on a special trailer behind the engine. Upon arrival at the scene, the operator connects to the hydrant, starts the pump, and drives to the fire in the Trackster, laying his hose line as he goes. Once at the fire, he connects his working line, and establishes radio contact.

Captain Jim Novotny, FAE Russ Borelli, and Ranger Jack Odgers of the San Mateo-Santa Cruz ranger unit were instrumental in the design of the unit.

Legislative mandates

Sacramento--Four legislative mandates have been issued to the Department of Conservation as part of the approval for the 1973-74 budget.

These are the recommendations for the department:

1--The department review its staffing ratios formula to reconcile staffing with new conditions of inmate camps to determine whether present ratios provide sufficient flexibility and coverage.

2--The department report by Dec. 1, 1973, to the Legislature on policy guidelines for operation of the (California) Ecology Corps, including but not limited to the role of the ecology corps in the watershed and fire protection program of the Division of Forestry, salaries and working conditions of corpsmen, and the use of corpsmen in place of private enterprise. Proposals for a statutory basis for the program should be included. (The corps was established by executive order, not by legislation.)

3--The Division of Mines and Geology study and report to the Legislature by Dec. 1, 1973, on the seismograph networks operated by the University of California at Berkeley and the California Institute of Technology to determine the feasibility of state operation of the networks with the universities' financing research.

4--The Department of Conservation may by administrative action reallocate \$57,747 from the Division of Resource Conservation to the department for administration of the Open Space program and \$21,960 to the Division of Mines and Geology for an engineering geological position because these are transfers to statutory functions.

Personnel transactions

Executive and Management Services

Transfers--Mgmt. Analyst Fredrick Montgomery from Resource Conservation to the Budget and Systems office; the following individuals transferred from Resource Conservation to Open Space and Environmental Impact under direction of the Program Development Officer: Sup. Eng. WR, Bill Leaf; Sr. Eng. WR, Herb Iwahiro; Sr. Eng. WR, Bob Julian; Assoc. Eng. WR, Don Jackson; Delineator Bernie Bane; Steno II Millie Anderson; Sr. Steno. Sharon Main from Pub. Aff. Off. to Open Space and Env. Impact; Sr. Res. Econ. E. Moberg from Res. Con. to Dept. of Water Res.; Sr. Eng. Gol. Mr. Amimoto, to DMG; R. Goodier, Chief of DRC assigned to State Solid Waste Mgmt. Bd.; Jo Guilino from Dept. of Food and Agri. to Public Affairs Off.

Appointments--Cindy Rossi, Student Asst. in Personnel Office.

Division of Forestry

Central Coast District

Transfers--SFR I Hugh B. Martin to Madera-Mariposa RU; SFR I Danny Castleman to Santa Clara RU; FC Richard McMaster to Sierra Cascade Dist.;

Promotions--Michael Kelly to FC Santa Clara RU; James R. McGee to FC Santa Clara RU; Ellis Severietti to FC Santa Clara RU; Bobby Jackson to FAE San Luis Obispo; Donald Clark to FC San Luis Obispo; Gerald E. Ranger to For. II Central Coast Dist. Hdqtrs.

Appointments--J.D. Wickizer to For. Grad. Tr.; Mark R. Stanley to For. Grad. Tr.; Jack Hayworth to HFEO, San Benito-Monterey RU; Del Monte Walters to Fmn, San Benito-Monterey RU; Robert P. Townsend to FAE, Santa Clara; T. M. nyland to Fmn, San Luis Obispo RU; D. R. Goldemberg, Fmn, San Benito-Monterey RU; Richard H. Perry, Fmn, San Luis Obispo RU;

Retirements--Carl C. Albertus, Asst. Dep. St. For., Central Coast Dist. Hdqtrs.

25-Year Awards--HFEO Ray D. Ohler, San Benito-Monterey RU; EMF Tullie D. Harris, Dist. Hdqtrs.

Fire Academy

Promotions--SFR I David D. Mack to SFR II Fire Cont. Sac.; SFR I James L. McFadden to SFR II at the Academy.

Appointments--Donald A. Eichman to SFR I.

Sacramento Headquarters

Transfers--SFR I Roger D. Helm to Riverside RU;

EXAMINATION CALENDAR

Class	Final filing date	Exam date
Division of Forestry		
Groundsman (Riverside Co.)	Aug. 3	Aug. 25
Division of Oil and Gas		
Associate Oil and Gas Engineer	Aug. 24	Sept. 15
Division of Mines and Geology		
Associate Geologist, DMG	Aug. 31	Sept. 22
Associate Seismologist	Continuous Testing	

Executive and Management Services

No other examinations scheduled with a final filing date of August 1, 1973 or later. Please do not submit applications listed above until the examination bulletin has been released.

Sierra Cascade District

Transfers--HFEO Frank Carpenter to Antelope CC; HFEO Glen D. Griffith to Crystal Creek CC; FCF George J. Shackett to Del Norte EC; SFR II Ordean T. Monsen to Oper. Officer, Butte RU; SFR I Charles S. Richardson to Lassen-Modoc RU; SFR I John R. Hawkins to Dispatcher Tehama-Glenn RU.

Promotions--Mikell R. Patterson to FAE, Siskiyou RU; Maryanne E. Miller to Steno II Placer RU; Janet Bair to Steno II, Lassen RU; James B. Stuller, Jr. to FAE, Placer RU; Don C. Banghart to SFR II San Bern. RU; William C. Teie to SFR II, Orange RU;

Appointments--Michael Cole to FAE-LT Lassen RU; Robert Shire FC-LT, Placer RU; James C. Mower and Tim McCammon For. Grad. Tr., Dist. Hdqtrs.; Mary F. Coad, CT II, Placer RU; Charles E. Hart, Phillip R. Mote, Paul T. Lasich, Richard A. Womack, William L. Sperbeck, Charles F. Jakobs, and Dennis Van Meter, LT-FAEs, Placer RU; Paul Steinkamp and Michael Deay FAE-LT, Shasta RU; John C. Randolph FCF, Crystal Creek CC; Richard L. Foss, FAE-LT, Siskiyou RU; A. J. Haggard, FAE-LT, Siskiyou RU; James Gilman FAE-LT, Butte RU; Ronald Smith, FC-LT, Butte RU; Margaret F. Graham, For. Cook II, Placer EC; FPO I Roger E. Hofhenke to SFR I, Madera-Mariposa RU.

Reinstatements--FAE Thomas A. Smith to Lassen RU; Danny Walters, FAE to Tehama RU.

Separations--Dorothy A. Naranjo, CT II, Butte Ranger Unit.

North Coast District

Transfers--For. Cook II J. E. Mitchell to Parlin Fork CC; For. II Raymond E. Jackman to Central Coast Dist. Hdqtrs.; Jr. For. Stanley C. Lake, Jr., to SFR I, Orange RU; SFR II Jesse H. Brower to Iron Mine CC; SFR I Brian Weatherford to Butte RU; SFR I Donald R. Campbell to Amador-El Dorado RU; For. I Wendell Reeves to Humboldt-Del Norte RU;

Promotions--Ken J. Woodward to HFEO, Mendocino RU; R. W. Harding to FAE, Lake-Napa RU; Edgar Brady to FAE in Humboldt RU; Samuel D. McMurry to FAE, Lake-Napa RU; William Williams to FAE, Mendocino RU; Steven M. Anderson to FAE, Humboldt RU; F. J. Nelson to Fire Capt.-LT, Mendocino RU; Doyle D. Metheny to SFR II at Humboldt EC; Gary L. Buzzini to SFR II at Butte RU;

Appointments--Brian G. Burger, For. Grad. Tr., Dist. Hdqtrs.; Lester E. Schumacher, Jr., Fmn., Lake-Napa RU; Edward C. Duffy, FAE, Sonoma RU; John M. Kleinsorge, Fmn., Lake-Napa RU; Stephen Davis, For. Grad. Tr., Dist. Hdqtrs.; Lee O. Howard, HFEO, Mendocino RU; John Phillips, HFEO, Mendocino RU; Frank M. Frates, Jr., HFEO, Lake-Napa RU;

Separations--John A. Christensen, For. Cook In Del Norte EC.

South Sierra District

Transfers--FAE Robert C. Stone to Tulare RU; CT II Cille B. Brace to Dist. Hdqtrs.; CT II Penny R. Heringer to Dist. Hdqtrs.

Promotions--FAE William R. Creamer to FC, Madera-Mariposa RU; FAE Gary M. Blasingame to FC, Fresno RU; SFR I James D. Wagner to SFR II, Del Norte EC.

Appointments--Sandra C. Shumard to CT II, Amador-El Dorado RU; Richard A. Halstead to Fmn, CDF, Fresno RU; Richard Stover Fmn, CDF, Fresno RU; James Crain, Fmn, CDF, Fresno RU.

Separations--FCA Ruben Carreon, Fresno RU;

Retirements--FCF Howard W. Pence, Calaveras Ecology Center.

Southern California District

Transfers--SFR I Dennis L. Bebensee to For. I Latour St. For.; EMF Michael A. Noonan to Dist. Hdqtrs.; FAE Edward G. Milbrandt to Orange RU; HFEO Ronald L. Stanford to San Diego RU; FAE John F. Berger to San Diego RU; FAE Keith L. Sorrels to Riverside RU;

Promotions--SFR I Stanley Overton to SFR II Parlin Fork CC; SFR I William D. Boro to SFR II Slack Canyon CC; SFR I James C. Major to SFR II Dist. Hdqtrs.; For. I John W. Gray to For. II, Dist. Hdqtrs.; FAE Richard L. Malsack to FC, Orange RU; Fmn Lawrence J. Keast to FAE, Riverside RU; Fmn James Lombardo to FAE, Riverside RU; FAE Arnold M. Stebner to FC, Riverside RU; FAE Stephen Blinkinsoph to FC, Riverside RU; Fmn Gary A. McAdam to FAE, Riverside RU; Fmn James A. McCarter to FAE, Riverside RU; FAE Leonard J. Richards, Jr., to FC, Riverside RU; FAE Chris M. Schrowe to FC, Riverside RU; FAE Ronald P. Stephens to FC, Riverside RU; Fmn Michael D. Fernandez to FAE, Riverside RU;

Appointments--Gail Schnarr, Steno II, Dist. Hdqtrs.; Lyle A. Wainworth, Elect. I, Dist. Hdqtrs.; Byron L. Jeffcoat, Jr., Asst. CE, Dist. Hdqtrs.; Richard I. Guillen, Jr., Student Asst. (Eng. and Arch. Sci.), Dist. Hdqtrs.; Nicholas J. Hustedt, For. Grad Tr. Dist. Hdqtrs.; Lloyd M. Limprecht, For. Grad. Tr. Dist. Hdqtrs.; Tommy Bennett For. Cook I, Riverside RU; Robert H. Bartlett HFEO, Riverside, RU; William W. Hedges, For. Cook I, Riverside RU; Robert M. Endo, Student Asst., Riverside RU; John Paulson, Student Asst., Riverside RU; Robert D. Allan Fmn, Orange RU; Jerry R. Chastain Fmn, Orange RU; Stanley F. Craig, Fmn, Orange RU; Scott S. Ekdahl, Fmn, Orange RU; Blake N. Garlin, Fmn, Orange RU; Donald J. Hayden, Fmn, Orange RU; Rodney W. Houghton, Fmn, Orange RU; Tommy J. Pawloski, Fmn, Orange RU; James A. Rankin, Fmn, Orange RU.

Reinstatements--Paul A. Nees, FAE, Riverside RU; Donald L. Janousek, FAE, Riverside RU; Gary S. Mugavero, FAE, Riverside RU.

Separations--CT II Linda L. McCleery, San Diego RU; Antonia M. Yednakovich, Steno II, San Bernardino RU; Steno II Linda L. Salmond, Riverside RU; Ronald C. Faulkner, FC, Riverside RU; FAE Clark S. Cloninger, Riverside RU; Student Asst. (FPA) Jackson A. Woodruff, Riverside RU; FAE LeRoy Meyer, Orange RU; FAE Larry D. Moss, Riverside RU;

Foresters to be registered

Sacramento--All professional foresters in California must be registered and receive a license to practice.

Under a new state law, it is illegal for any person to act in the capacity of, or to use the title of, a professional forester without such registration.

The only exceptions are for persons performing professional forestry duties on their own lands and persons working under the license of another person.

The State Board of Forestry, which was given the responsibility of enforcing the law, expects to license as many as 1,500 foresters.

Foresters who qualify can obtain a license without taking a written examination if they make application before September 4. After that date, a comprehensive examination will be required. Registration costs are borne entirely by license fees.

New ecology center opened

Auburn--The Iron Mine Conservation Camp near here has become the Placer Ecology Center.

By coincidence, the retirement of Bill Merle, ranger in charge of the camp, occurred at the same time as the changeover. Ranger Jesse Brower, was named supervisor of the new center.

Camp staffing began July 5 when 12 ecology corpsmen were hired. Brower expects to augment this number with 25 veterans, increasing the staff eventually to 60.



Left-handed shake - State Forester Lewis Moran shakes the hand of Bill Merle, who retired after 33 years CDF service, and presents him with his retirement badge at a dinner held in Auburn. Merle served as supervisor of the Iron Mine Conservation Camp for 21 years. At the far left is Mrs. Nancy Merle. Mrs. Marge Moran is at her husband's left.



CDF squares off.--CDF personnel at the Fire Academy's four-wheel-drive course near Lone recently rolled a soon-to-be-scrapped fire engine down a 15 foot hill to test the strength and support afforded by a new kind of square roll bar. Forest equipment engineers Wilbur Zimdars (kneeling) and Walter Harkness inspect the results.

Listening for earthquakes

By Bill Welty

Sacramento--If you notice your pets behaving erratically, they may be trying to warn you of an impending earthquake.

High frequency sounds produced in rock, often disturbing to animals, have been monitored since 1939 to forewarn of mine-tunnel failures

and, more recently, slope failures. Now the Division of Mines and Geology is sponsoring a pilot study to "listen for earthquakes."

The division has established six monitoring stations along the San Andreas fault from Parkfield to Palmdale and is using frequency monitoring equipment to record minute sounds generated by small-scale fracturing which often precedes major earthquakes.

Shifting sand detected

C. F. Bacon, associate geologist, said that one of the major problems is the elimination of extraneous sounds. The equipment is so sensitive that the movement of sand or even the sounds created by the expansion and contraction of rock due to changes in temperature is easily detected.

Bacon recalled an incident where a fly had landed on the microphone while he was testing the monitoring equipment. "I couldn't believe it", he said, "I could hear every step that fly made."

Record sale

Mountain Home timber harvest

Springville--Timber harvesting at Mountain Home State Forest was completed in July in a record 30-day sale.

Two and a half million board feet of mixed timber valued at \$290,000 were removed from a 90-acre sale block in nearly half the normal period.

Dick Schoenheide, CDF forest manager, indicated crews started work on June 4 and hauled out the last logs July 5.

Crews from Mountain Home Conservation Camp will remove slash build-ups this fall and plant additional trees next spring to restore the site to a natural setting.

The special recreational harvest also added two miles of road spurs for fire control and visitor access along a tributary fork of Tule River.

Total cutting of 2.681 thousand board feet included 794 MBF sugar pine, 782 MBF ponderosa pine, 748 MBF white fir, 260 MBF incense cedar, and 97 MBF of salvage redwood.

Buzzini praised for services

Willits--Ranger Gary Buzzini of the Mendocino ranger unit has received a letter of commendation from the Army's Corp of Engineers for his fire prevention activities.

In part, the letter from James W. Welcher, manager of the Lake Mendocino recreational facilities, read:

"Mr. Buzzini conducted one of the most excellent classes and demonstrations on fire safety. It was obvious that he was well-prepared and there was no question about his expertise."

CDF employees save a life

Santa Cruz--Three CDF employees were credited with helping save the life of a 16-year-old youth last month.

Eldon E. Alameda, Michael Albrecht, and Mike Maben were summoned June 7 to Devils Canyon near Woodside to care for the youth who had fallen from a cliff while hiking. He received first-aid assistance from the three and was later lifted from the canyon by Coast Guard helicopter.